



DATA VALIDATION REPORT

Gold King Mine Long Term Monitoring- Storm Sampling

SAMPLE DELIVERY GROUPS: 680-130356-1, 680-130356-2

Prepared by

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I. INTRODUCTION

Task Order Title: Gold King Mine Long Term Monitoring
Project No.: 20408.012.001.0397.00
Sample Delivery Group: 680-130356-1, 680-130356-2
EPA Project Manager: Steve Merritt
Weston Project Manager: Mark Blanchard
TDD No.: 0001/1510-02
Matrix: Water/Sediment
QC Level: Stage 2A
No. of Samples: 12
No. of Reanalyses/Dilutions: 0
Laboratory: TestAmerica - Savannah

Table 1. Sample Identification

<i>Location ID</i>	<i>Lab Sample Name</i>	<i>Matrix Type</i>	<i>Collection Date</i>	<i>Method</i>
9426_092916	680-130356-9	Water	9/29/16 1:25 PM	200.7, 200.8, 245.1, 2320B, 2340B, 2540 D, 5310 B
9426_SED_092916	680-130356-10	Sediment	9/29/16 1:25 PM	6010C, 6020A, 7471A
Bakers Bridge_092916	680-130356-11	Water	9/29/16 8:15 AM	200.7, 200.8, 245.1, 2320B, 2340B, 2540 D, 5310 B
Bakers Bridge_SED_092916	680-130356-12	Sediment	9/29/16 8:15 AM	6010C, 6020A, 7471A
SJAR_092716	680-130356-1	Water	9/27/16 11:05 AM	200.7, 200.8, 245.1, 2320B, 2340B, 2540 D, 5310 B
SJAR_SED_092716	680-130356-2	Sediment	9/27/16 11:05 AM	6010C, 6020A, 7471A
SJFP_092816	680-130356-3	Water	9/28/16 10:50 AM	200.7, 200.8, 245.1, 2320B, 2340B, 2540 D, 5310 B
SJFP_SED_092816	680-130356-4	Sediment	9/28/16 10:50 AM	6010C, 6020A, 7471A
SJLP_092716	680-130356-5	Water	9/27/16 3:45 PM	200.7, 200.8, 245.1, 2320B, 2340B, 2540 D, 5310 B
SJLP_SED_092716	680-130356-6	Sediment	9/27/16 3:45 PM	6010C, 6020A, 7471A
SJSR_092816	680-130356-7	Water	9/28/16 2:15 PM	200.7, 200.8, 245.1, 2320B, 2340B, 2540 D, 5310 B
SJSR_SED_092816	680-130356-8	Sediment	9/28/16 2:15 PM	6010C, 6020A, 7471A



II. Sample Management

Anomalies regarding sample management are noted below. The samples were received within the temperature limits of $>0^{\circ}\text{C}$ to $<6^{\circ}\text{C}$. The samples were received intact, on ice and properly preserved. Custody seals on shipping and sample containers were intact. The chains-of-custody (COCs) were appropriately signed and dated by field and laboratory personnel.

The following issues were noted:

- No organization was identified with the relinquishment or receipt signatures.
- Sample 9426_092916 was originally logged only for dissolved aluminum by Method 200.8. The laboratory was notified and the remaining requested analyses (200.7, 200.8, 245.1, 2320B, 2340B, 2540D, 5310B) were performed and reported in SDG 680-130356-2. Data from both SDGs are addressed in this report.

**Data Qualifier Reference Table**

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit. The associated value is the quantitation limit or the estimated detection limit for dioxins or PCB congeners.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit. The associated value is the sample detection limit or the quantitation limit for perchlorate only.
UB	The analyte was detected in the sample and in either the associated laboratory blank or field blank. If detected below the reporting limit (RL) the analyte result was reported as non-detected at the RL due to blank contamination. If detected above the RL, the analyte result was reported as non-detected at the reported result due to blank contamination.	The analyte was detected in the sample and in either the associated laboratory blank or field blank. If detected below the reporting limit (RL) the analyte result was reported as non-detected at the RL due to blank contamination. If detected above the RL, the analyte result was reported as non-detected at the reported result due to blank contamination.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
J+	Not applicable	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample, and may have a potential positive bias.
J-	Not applicable	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample, and may have a potential negative bias.



Qualifier	Organics	Inorganics
UJ	The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
UJB	The analyte was detected in the sample and in either the associated laboratory blank or field blank; the analyte result was reported as non-detected at either the RL or the reported result. The reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The analyte was detected in the sample and in either the associated laboratory blank or field blank; the analyte result was reported as non-detected at either the RL or the reported result. The reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
R	The data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D was noncompliant.	Correlation coefficient is <0.995 or calibration was noncompliant.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination as indicated by the preparation (method) blank results.	Presumed contamination as indicated by the preparation (method) or calibration blank results.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
L1	LCS/LCSD RPD was outside control limits.	LCS/LCSD RPD was outside control limits.
Q	MS/MSD recovery was poor.	MS recovery was poor.
Q1	MS/MSD RPD was outside control limits.	MS/MSD RPD was outside control limits.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	ICPMS tune was not compliant.
T	Presumed contamination as indicated by the trip blank results.	Not applicable.
+	False positive – reported compound was not present.	Not applicable.
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination as indicated by the FB or ER results.	Presumed contamination as indicated by the FB or ER results.
F1	Field duplicate results were outside the control limit.	Field duplicate results were outside the control limit.
\$	Reported result or other information was incorrect.	Reported result or other information was incorrect.



Qualifier	Organics	Inorganics
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
*II, *III	Unusual problems found with the data that have been described in Section II, "Sample Management," or Section III, "Method Analyses." The number following the asterisk (*) will indicate the report section where a description of the problem can be found.	Unusual problems found with the data that have been described in Section II, "Sample Management," or Section III, "Method Analyses." The number following the asterisk (*) will indicate the report section where a description of the problem can be found.



III. Method Analyses

A. Contract Laboratory Program Statement of Work for Inorganic Superfund Methods 200.7, 200.8, 245.1, 6010C, 6020A, 7471A—Metals and Mercury

Reviewed By: M. Hilchey

Date Reviewed: October 24, 2016, November 29, 2016

The samples listed in Table 1 for these analyses were validated based on the guidelines outlined in the *Quality Assurance Project Plan for U.S. EPA Region 8 CERCLA Site Assessment; Sampling and Analysis Plan/Quality Assurance Project Plan for Gold King Mine Release, Silverton, San Juan County, Colorado* (2015); *United States Environmental Protection Agency Contract Laboratory Program Statement of Work for Inorganic Superfund Methods; EPA Methods 200.7, 200.8, 245.1, 6010C, 6020A and 7471A*; and the *National Functional Guidelines for Inorganic Superfund Data Review* (2014).

- **Holding Times:** The analytical holding times, 28 days for mercury and six months for the remaining metals, were met with the exception of sample 9426_092916 for method 245.1. The results for total and dissolved mercury for this sample were qualified as estimated with potential low bias (UJ).
- **Analytical Method Blanks:** No target analytes reported in the method blanks (MB) were of sufficient to qualify associated site sample results with the exceptions noted in the table below. All associated sample results which were greater than MDL and less than RL were qualified as nondetected (UB), and all associated sample results which were greater than RL and <5x the MB concentration were qualified as estimated with potential high bias (J+).

Analyte	Method	MB result	Affected samples
dissolved vanadium	200.8	0.817 µg/L	SJAR_092716, SJFP_092816, SJLP_092716, SJSR_092816
total silver	6020A	0.053 mg/Kg	All sediment samples

- **Laboratory Control Samples (LCS):** The recoveries were within laboratory control limits of 75-125% for methods 6010C and 6020A, 85-115% for methods 200.7, 200.8 and 245.1, and 80-120% for method 7471A.
- **Laboratory Duplicates:** Laboratory duplicate analyses were not performed on a sample from this SDG. Method precision was evaluated based on matrix spike/matrix spike duplicate results.

- Matrix Spike/Matrix Spike Duplicate (MS/MSD): MS/MSD analyses were performed on sample Bakers Bridge_092916 for methods 200.7, 200.8 and 245.1, and on sample Bakers Bridge_SED_092916 for methods 6010C, 6020A and 7471A.

Results were not assessed when the native concentration was $> 4\times$ the spike amount. The recoveries were within the laboratory control limits of 75-125% for methods 200.7, 6010C and 6020A, 80-120% for method 7471, and 70-130% for methods 200.8 and 245.1 except as noted in the table below. All associated detected sample results were qualified as estimated with high potential bias (J+). The RPDs were $\leq 20\%$.

Analyte	Method	MS/MSD %R	Affected samples
dissolved zinc	200.8	273%/266%	SJAR_092716, SJFP_092816, SJLP_092716, SJSR_092816, Bakers Bridge_092916
arsenic	6020A	179%/137%	All sediment samples
beryllium		135%/146%	
cobalt		144%/138%	
vanadium		180%/180%	
cadmium		acceptable/127%	
chromium		acceptable/135%	
nickel		acceptable/132%	
selenium		acceptable/136%	
mercury		122%/129%	
antimony		127%/acceptable	

- Post Digestion Spike (PDS): There were no PDS analyses reported in this SDG.
- Serial Dilution: Serial dilution analyses were not reported in this SDG.
- Field QC Samples: MEC^x evaluated field quality control (QC) samples, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. MEC^x used the remaining detects to evaluate the associated site samples. Findings associated with field QC samples are summarized below:
 - Field Blanks and Equipment Rinsates: Field blank or equipment blank samples were not identified for this SDG.
 - Field Duplicates: Field duplicate samples were not identified for this SDG.

**B. Methods SM2340B, SM2320B, SM2540D, SM5310B—Total Hardness by calculation, Total Alkalinity, Total Suspended Solids (TSS), Dissolved Organic Carbon (DOC), Total Organic Carbon (TOC)**

Reviewed By: M. Hilchey

Date Reviewed: November 29, 2016

The samples listed in Table 1 for these analyses were validated based on the guidelines outlined in the *Quality Assurance Project Plan for U.S. EPA Region 8 CERCLA Site Assessment, Sampling and Analysis Plan/Quality Assurance Project Plan for Gold King Mine Release, Silverton, San Juan County, Colorado* (2015); *United States Environmental Protection Agency Contract Laboratory Program Statement of Work for Inorganic Superfund Methods; Standard Methods for the Examination of Water and Wastewater* 2340B, 2320B, 2540D and 5310B; and the *National Functional Guidelines for Superfund Inorganic Data Review* (2014).

- Holding Times: The analytical holding times, as listed below, were met except as noted below.
 - Total Hardness (SM2340B) – 180 days
 - Total Alkalinity (SM2320B) – 14 days
 - Total Suspended Solids (SM2540D) – 7 days
 - Total Organic Carbon (SM5310B) – 28 days
 - Dissolved Organic Carbon (SM5310B) – 28 days

The holding times (HT) for total alkalinity (53 days) and TSS (50 days) were exceeded by more than 2x past the requirement for sample 9426_092916. Associated detected sample results were qualified as estimated (J).

- Analytical Method Blanks: There were no detects in the method blanks.
- Laboratory Control Samples: LCS/LCSD recoveries were within the laboratory control limits of 80-120% for all methods, and RPDs were within the laboratory control limits of $\leq 30\%$ for alkalinity, $\leq 20\%$ for DOC, and $\leq 25\%$ for TSS and TOC.
- Laboratory Duplicates: Laboratory duplicate analyses were performed on samples SJLP_092716 and Bakers Bridge_092916 for total alkalinity, and on sample Bakers Bridge_092916 for TSS. The RPDs met the QAPP control limit of $\leq 20\%$ with the exception of TSS (27%). TSS results for all associated samples (SJAR_092716, SJFP_092816, SJLP_092716, SJSR_092816, Bakers Bridge_092916) were qualified as estimated with unknown bias (J).
- Matrix Spike/Matrix Spike Duplicate (MS/MSD): MS/MSD analyses were performed for TOC on sample Bakers Bridge_092916. All laboratory recovery and RPD acceptance criteria were met. MS/MSD analyses were not performed on the remaining methods.



- Field QC Samples: MEC^x evaluated field quality control (QC) samples, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. MEC^x used the remaining detects to evaluate the associated site samples. Findings associated with field QC samples are summarized below:
 - Field Blanks and Equipment Rinsates: This SDG had no identified field blank or equipment rinsate samples.
 - Field Duplicates: Field duplicate samples were not identified for this SDG.

Validated Sample Result Forms: 680-130356-1

Analysis Method 200.7 Rev 4.4

Sample Name SJAR_092716 **Matrix Type:** Water
Lab Sample Name: 680-130356-1 **Sample Date:** 9/27/2016 11:05:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	5500	200	24	ug/L			
Aluminum, Dissolved	D	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	49000	500	25	ug/L	B		
Calcium, Dissolved	D	7440-70-2	45000	500	25	ug/L			
Iron	T	7439-89-6	4400	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	8200	500	33	ug/L			
Magnesium, Dissolved	D	7439-95-4	6900	500	33	ug/L			
Potassium	T	7440-09-7	3700	1000	17	ug/L			
Potassium, Dissolved	D	7440-09-7	2400	1000	17	ug/L			
Sodium	T	7440-23-5	28000	1000	480	ug/L			
Sodium, Dissolved	D	7440-23-5	28000	1000	480	ug/L			

Sample Name Bakers Bridge_092916 **Matrix Type:** Water
Lab Sample Name: 680-130356-11 **Sample Date:** 9/29/2016 8:15:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	520	200	24	ug/L			
Aluminum, Dissolved	D	7429-90-5	97	200	24	ug/L	J	J	
Calcium	T	7440-70-2	39000	500	25	ug/L	B		
Calcium, Dissolved	D	7440-70-2	39000	500	25	ug/L			
Iron	T	7439-89-6	560	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	29	50	17	ug/L	J	J	
Magnesium	T	7439-95-4	4500	500	33	ug/L			
Magnesium, Dissolved	D	7439-95-4	4400	500	33	ug/L			
Potassium	T	7440-09-7	840	1000	17	ug/L	J	J	
Potassium, Dissolved	D	7440-09-7	820	1000	17	ug/L	J	J	
Sodium	T	7440-23-5	1800	1000	480	ug/L			
Sodium, Dissolved	D	7440-23-5	1900	1000	480	ug/L			

Analysis Method 200.7 Rev 4.4

Sample Name		SJFP_092816				Matrix Type: Water			
Lab Sample Name:		680-130356-3		Sample Date:		9/28/2016 10:50:00 AM			
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	2800	200	24	ug/L			
Aluminum, Dissolved	D	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	67000	500	25	ug/L	B		
Calcium, Dissolved	D	7440-70-2	67000	500	25	ug/L			
Iron	T	7439-89-6	2100	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	11000	500	33	ug/L			
Magnesium, Dissolved	D	7439-95-4	11000	500	33	ug/L			
Potassium	T	7440-09-7	3500	1000	17	ug/L			
Potassium, Dissolved	D	7440-09-7	3100	1000	17	ug/L			
Sodium	T	7440-23-5	28000	1000	480	ug/L			
Sodium, Dissolved	D	7440-23-5	29000	1000	480	ug/L			

Sample Name		SJLP_092716				Matrix Type: Water			
Lab Sample Name:		680-130356-5		Sample Date:		9/27/2016 3:45:00 PM			
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	3000	200	24	ug/L			
Aluminum, Dissolved	D	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	60000	500	25	ug/L	B		
Calcium, Dissolved	D	7440-70-2	60000	500	25	ug/L			
Iron	T	7439-89-6	2300	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	9100	500	33	ug/L			
Magnesium, Dissolved	D	7439-95-4	8700	500	33	ug/L			
Potassium	T	7440-09-7	3200	1000	17	ug/L			
Potassium, Dissolved	D	7440-09-7	2700	1000	17	ug/L			
Sodium	T	7440-23-5	23000	1000	480	ug/L			
Sodium, Dissolved	D	7440-23-5	24000	1000	480	ug/L			

Sample Name		SJSR_092816					Matrix Type: Water		
Lab Sample Name:		680-130356-7		Sample Date:		9/28/2016 2:15:00 PM			
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	3600	200	24	ug/L			

Analysis Method 200.7 Rev 4.4

Aluminum, Dissolved	D	7429-90-5	24	200	24	ug/L	U	U
Calcium	T	7440-70-2	69000	500	25	ug/L	B	
Calcium, Dissolved	D	7440-70-2	63000	500	25	ug/L		
Iron	T	7439-89-6	2900	50	17	ug/L		
Iron, Dissolved	D	7439-89-6	17	50	17	ug/L	U	U
Magnesium	T	7439-95-4	11000	500	33	ug/L		
Magnesium, Dissolved	D	7439-95-4	9700	500	33	ug/L		
Potassium	T	7440-09-7	3700	1000	17	ug/L		
Potassium, Dissolved	D	7440-09-7	2700	1000	17	ug/L		
Sodium	T	7440-23-5	28000	1000	480	ug/L		
Sodium, Dissolved	D	7440-23-5	27000	1000	480	ug/L		

Analysis Method 200.8

Sample Name SJAR_092716 **Matrix Type:** Water

Lab Sample Name: 680-130356-1 **Sample Date:** 9/27/2016 11:05:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum, Dissolved	D	7429-90-5	7.8	10	4.6	ug/L	J	J	
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	1.1	1	0.37	ug/L			
Arsenic, Dissolved	D	7440-38-2	0.52	1	0.37	ug/L	J	J	
Barium	T	7440-39-3	130	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	65	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.28	0.4	0.15	ug/L	J	J	
Beryllium, Dissolved	D	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Cadmium, Dissolved	D	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	2.8	2	1	ug/L			
Chromium, Dissolved	D	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	2.3	0.4	0.12	ug/L			
Cobalt, Dissolved	D	7440-48-4	0.44	0.4	0.12	ug/L			
Copper	T	7440-50-8	5.6	5	0.5	ug/L			
Copper, Dissolved	D	7440-50-8	1.1	5	0.5	ug/L	J	J	
Lead	T	7439-92-1	3.1	0.3	0.06	ug/L			
Lead, Dissolved	D	7439-92-1	0.06	0.3	0.06	ug/L	U	U	
Manganese	T	7439-96-5	100	2.5	1.2	ug/L			
Manganese, Dissolved	D	7439-96-5	5.4	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	1.2	1	0.45	ug/L			

Analysis Method 200.8

Molybdenum, Dissolved	D	7439-98-7	1.2	1	0.45	ug/L		
Nickel	T	7440-02-0	4.7	5	0.4	ug/L	J	J
Nickel, Dissolved	D	7440-02-0	2.1	5	0.4	ug/L	J	J
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U	U
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Thallium, Dissolved	D	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Vanadium	T	7440-62-2	8.3	1	0.3	ug/L		
Vanadium, Dissolved	D	7440-62-2	1.1	1	0.3	ug/L	B	J+ B
Zinc	T	7440-66-6	14	20	2.8	ug/L	J	J
Zinc, Dissolved	D	7440-66-6	2.8	20	2.8	ug/L	U	U

Sample Name Bakers Bridge_092916 **Matrix Type:** Water

Lab Sample Name: 680-130356-11 **Sample Date:** 9/29/2016 8:15:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum, Dissolved	D	7429-90-5	100	10	4.6	ug/L			
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	0.37	1	0.37	ug/L	U	U	
Arsenic, Dissolved	D	7440-38-2	0.37	1	0.37	ug/L	U	U	
Barium	T	7440-39-3	38	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	33	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Beryllium, Dissolved	D	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	0.19	0.5	0.043	ug/L	J	J	
Cadmium, Dissolved	D	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Chromium, Dissolved	D	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	1.6	0.4	0.12	ug/L			
Cobalt, Dissolved	D	7440-48-4	1.6	0.4	0.12	ug/L			
Copper	T	7440-50-8	5.5	5	0.5	ug/L			
Copper, Dissolved	D	7440-50-8	2.3	5	0.5	ug/L	J	J	
Lead	T	7439-92-1	1.4	0.3	0.06	ug/L			
Lead, Dissolved	D	7439-92-1	0.11	0.3	0.06	ug/L	J	J	
Manganese	T	7439-96-5	320	2.5	1.2	ug/L			
Manganese, Dissolved	D	7439-96-5	290	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	0.7	1	0.45	ug/L	J	J	

Analysis Method 200.8

Molybdenum, Dissolved	D	7439-98-7	0.63	1	0.45	ug/L	J	J	
Nickel	T	7440-02-0	2.9	5	0.4	ug/L	J	J	
Nickel, Dissolved	D	7440-02-0	2.9	5	0.4	ug/L	J	J	
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U	
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U	U	
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Thallium, Dissolved	D	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	0.47	1	0.3	ug/L	J	J	
Vanadium, Dissolved	D	7440-62-2	0.3	1	0.3	ug/L	U	U	
Zinc	T	7440-66-6	170	20	2.8	ug/L			
Zinc, Dissolved	D	7440-66-6	93	20	2.8	ug/L		J+	Q

Sample Name SJFP_092816

Matrix Type: Water

Lab Sample Name: 680-130356-3

Sample Date: 9/28/2016 10:50:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum, Dissolved	D	7429-90-5	9.8	10	4.6	ug/L	J	J	
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	0.88	1	0.37	ug/L	J	J	
Arsenic, Dissolved	D	7440-38-2	0.6	1	0.37	ug/L	J	J	
Barium	T	7440-39-3	100	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	82	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Beryllium, Dissolved	D	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Cadmium, Dissolved	D	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	1.1	2	1	ug/L	J	J	
Chromium, Dissolved	D	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	1.3	0.4	0.12	ug/L			
Cobalt, Dissolved	D	7440-48-4	0.74	0.4	0.12	ug/L			
Copper	T	7440-50-8	3.7	5	0.5	ug/L	J	J	
Copper, Dissolved	D	7440-50-8	1.3	5	0.5	ug/L	J	J	
Lead	T	7439-92-1	2.5	0.3	0.06	ug/L			
Lead, Dissolved	D	7439-92-1	0.06	0.3	0.06	ug/L	U	U	
Manganese	T	7439-96-5	95	2.5	1.2	ug/L			
Manganese, Dissolved	D	7439-96-5	21	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	1.3	1	0.45	ug/L			

Analysis Method 200.8

Molybdenum, Dissolved	D	7439-98-7	1.5	1	0.45	ug/L		
Nickel	T	7440-02-0	3.7	5	0.4	ug/L	J	J
Nickel, Dissolved	D	7440-02-0	3	5	0.4	ug/L	J	J
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U	U
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Thallium, Dissolved	D	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Vanadium	T	7440-62-2	4.6	1	0.3	ug/L		
Vanadium, Dissolved	D	7440-62-2	0.8	1	0.3	ug/L	J B	UB B
Zinc	T	7440-66-6	15	20	2.8	ug/L	J	J
Zinc, Dissolved	D	7440-66-6	2.8	20	2.8	ug/L	U	U

Sample Name SJLP_092716 **Matrix Type:** Water

Lab Sample Name: 680-130356-5 **Sample Date:** 9/27/2016 3:45:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum, Dissolved	D	7429-90-5	16	10	4.6	ug/L			
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	0.78	1	0.37	ug/L	J	J	
Arsenic, Dissolved	D	7440-38-2	0.37	1	0.37	ug/L	U	U	
Barium	T	7440-39-3	100	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	78	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	J	J	
Beryllium, Dissolved	D	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Cadmium, Dissolved	D	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	1.3	2	1	ug/L	J	J	
Chromium, Dissolved	D	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	1.4	0.4	0.12	ug/L			
Cobalt, Dissolved	D	7440-48-4	0.68	0.4	0.12	ug/L			
Copper	T	7440-50-8	3.9	5	0.5	ug/L	J	J	
Copper, Dissolved	D	7440-50-8	1.2	5	0.5	ug/L	J	J	
Lead	T	7439-92-1	2.9	0.3	0.06	ug/L			
Lead, Dissolved	D	7439-92-1	0.06	0.3	0.06	ug/L	U	U	
Manganese	T	7439-96-5	99	2.5	1.2	ug/L			
Manganese, Dissolved	D	7439-96-5	16	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	1.2	1	0.45	ug/L			

Analysis Method 200.8

Molybdenum, Dissolved	D	7439-98-7	1.3	1	0.45	ug/L		
Nickel	T	7440-02-0	3.6	5	0.4	ug/L	J	J
Nickel, Dissolved	D	7440-02-0	2.6	5	0.4	ug/L	J	J
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U	U
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Thallium, Dissolved	D	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Vanadium	T	7440-62-2	4.7	1	0.3	ug/L		
Vanadium, Dissolved	D	7440-62-2	0.67	1	0.3	ug/L	J B	UB B
Zinc	T	7440-66-6	19	20	2.8	ug/L	J	J
Zinc, Dissolved	D	7440-66-6	2.8	20	2.8	ug/L	U	U

Sample Name SJSR_092816 **Matrix Type:** Water

Lab Sample Name: 680-130356-7 **Sample Date:** 9/28/2016 2:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum, Dissolved	D	7429-90-5	11	10	4.6	ug/L			
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	1	1	0.37	ug/L			
Arsenic, Dissolved	D	7440-38-2	0.43	1	0.37	ug/L	J	J	
Barium	T	7440-39-3	120	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	81	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.17	0.4	0.15	ug/L	J	J	
Beryllium, Dissolved	D	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Cadmium, Dissolved	D	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	1.7	2	1	ug/L	J	J	
Chromium, Dissolved	D	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	1.6	0.4	0.12	ug/L			
Cobalt, Dissolved	D	7440-48-4	0.7	0.4	0.12	ug/L			
Copper	T	7440-50-8	4.5	5	0.5	ug/L	J	J	
Copper, Dissolved	D	7440-50-8	1.2	5	0.5	ug/L	J	J	
Lead	T	7439-92-1	3.5	0.3	0.06	ug/L			
Lead, Dissolved	D	7439-92-1	0.06	0.3	0.06	ug/L	U	U	
Manganese	T	7439-96-5	110	2.5	1.2	ug/L			
Manganese, Dissolved	D	7439-96-5	3.6	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	1.4	1	0.45	ug/L			

Analysis Method 200.8

Molybdenum, Dissolved	D	7439-98-7	1.3	1	0.45	ug/L			
Nickel	T	7440-02-0	4.2	5	0.4	ug/L	J	J	
Nickel, Dissolved	D	7440-02-0	2.9	5	0.4	ug/L	J	J	
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U	
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U	U	
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Thallium, Dissolved	D	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	6	1	0.3	ug/L			
Vanadium, Dissolved	D	7440-62-2	1	1	0.3	ug/L	B	J+	B
Zinc	T	7440-66-6	20	20	2.8	ug/L			
Zinc, Dissolved	D	7440-66-6	2.8	20	2.8	ug/L	U	U	

Sample Name 9426_092916

Matrix Type: Water

Lab Sample Name: 680-130356-9

Sample Date: 9/29/2016 1:25:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum, Dissolved	D	7429-90-5	27	10	4.6	ug/L			

Analysis Method 2320B-2011

Sample Name SJAR_092716

Matrix Type: Water

Lab Sample Name: 680-130356-1

Sample Date: 9/27/2016 11:05:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	90	5	5	mg/L			

Sample Name Bakers Bridge_092916

Matrix Type: Water

Lab Sample Name: 680-130356-11

Sample Date: 9/29/2016 8:15:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	31	5	5	mg/L			

Sample Name SJFP_092816

Matrix Type: Water

Lab Sample Name: 680-130356-3

Sample Date: 9/28/2016 10:50:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	110	5	5	mg/L			

Analysis Method 2320B-2011

Sample Name SJLP_092716 **Matrix Type:** Water
Lab Sample Name: 680-130356-5 **Sample Date:** 9/27/2016 3:45:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	100	5	5	mg/L			

Sample Name SJSR_092816 **Matrix Type:** Water
Lab Sample Name: 680-130356-7 **Sample Date:** 9/28/2016 2:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	110	5	5	mg/L			

Analysis Method 2340B-2011

Sample Name SJAR_092716 **Matrix Type:** Water
Lab Sample Name: 680-130356-1 **Sample Date:** 9/27/2016 11:05:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	160	3.3	3.3	mg/L			

Sample Name Bakers Bridge_092916 **Matrix Type:** Water
Lab Sample Name: 680-130356-11 **Sample Date:** 9/29/2016 8:15:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	120	3.3	3.3	mg/L			

Sample Name SJFP_092816 **Matrix Type:** Water
Lab Sample Name: 680-130356-3 **Sample Date:** 9/28/2016 10:50:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	210	3.3	3.3	mg/L			

Sample Name SJLP_092716 **Matrix Type:** Water
Lab Sample Name: 680-130356-5 **Sample Date:** 9/27/2016 3:45:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	190	3.3	3.3	mg/L			

Sample Name SJSR_092816 **Matrix Type:** Water
Lab Sample Name: 680-130356-7 **Sample Date:** 9/28/2016 2:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	220	3.3	3.3	mg/L			

Analysis Method 245.1

Sample Name SJAR_092716 **Matrix Type:** Water
Lab Sample Name: 680-130356-1 **Sample Date:** 9/27/2016 11:05:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Mercury, Dissolved	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Sample Name Bakers Bridge_092916 **Matrix Type:** Water
Lab Sample Name: 680-130356-11 **Sample Date:** 9/29/2016 8:15:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Mercury, Dissolved	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Sample Name SJFP_092816 **Matrix Type:** Water
Lab Sample Name: 680-130356-3 **Sample Date:** 9/28/2016 10:50:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Mercury, Dissolved	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Sample Name SJLP_092716 **Matrix Type:** Water
Lab Sample Name: 680-130356-5 **Sample Date:** 9/27/2016 3:45:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Mercury, Dissolved	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Sample Name SJSR_092816 **Matrix Type:** Water
Lab Sample Name: 680-130356-7 **Sample Date:** 9/28/2016 2:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Mercury, Dissolved	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Analysis Method 2540 D-2011

Sample Name SJAR_092716 **Matrix Type:** Water
Lab Sample Name: 680-130356-1 **Sample Date:** 9/27/2016 11:05:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Suspended Solids	T	STL00161	210	6.7	6.7	mg/L		J	E

Analysis Method 2540 D-2011

Sample Name Bakers Bridge_092916 **Matrix Type:** Water
Lab Sample Name: 680-130356-11 **Sample Date:** 9/29/2016 8:15:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Suspended Solids	T	STL00161	2.9	1	1	mg/L		J	E

Sample Name SJFP_092816 **Matrix Type:** Water
Lab Sample Name: 680-130356-3 **Sample Date:** 9/28/2016 10:50:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Suspended Solids	T	STL00161	92	5.6	5.6	mg/L		J	E

Sample Name SJLP_092716 **Matrix Type:** Water
Lab Sample Name: 680-130356-5 **Sample Date:** 9/27/2016 3:45:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Suspended Solids	T	STL00161	150	7.1	7.1	mg/L		J	E

Sample Name SJSR_092816 **Matrix Type:** Water
Lab Sample Name: 680-130356-7 **Sample Date:** 9/28/2016 2:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Suspended Solids	T	STL00161	110	4	4	mg/L		J	E

Analysis Method 5310 B-2011

Sample Name SJAR_092716 **Matrix Type:** Water
Lab Sample Name: 680-130356-1 **Sample Date:** 9/27/2016 11:05:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Dissolved Organic Carbon	T	7440-44-0	4.5	1	0.5	mg/L			
Total Organic Carbon	T	7440-44-0	3	1	0.5	mg/L			

Sample Name Bakers Bridge_092916 **Matrix Type:** Water
Lab Sample Name: 680-130356-11 **Sample Date:** 9/29/2016 8:15:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Dissolved Organic Carbon	T	7440-44-0	1.1	1	0.5	mg/L			

Analysis Method 5310 B-2011

Total Organic Carbon	T	7440-44-0	1.1	1	0.5	mg/L			
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Sample Name SJFP_092816 **Matrix Type:** Water

Lab Sample Name: 680-130356-3 **Sample Date:** 9/28/2016 10:50:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Dissolved Organic Carbon	T	7440-44-0	4.2	1	0.5	mg/L			
Total Organic Carbon	T	7440-44-0	2.9	1	0.5	mg/L			

Sample Name SJLP_092716 **Matrix Type:** Water

Lab Sample Name: 680-130356-5 **Sample Date:** 9/27/2016 3:45:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Dissolved Organic Carbon	T	7440-44-0	3	1	0.5	mg/L			
Total Organic Carbon	T	7440-44-0	2.3	1	0.5	mg/L			

Sample Name SJSR_092816 **Matrix Type:** Water

Lab Sample Name: 680-130356-7 **Sample Date:** 9/28/2016 2:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Dissolved Organic Carbon	T	7440-44-0	3.1	1	0.5	mg/L			
Total Organic Carbon	T	7440-44-0	2.3	1	0.5	mg/L			

Analysis Method 6010C

Sample Name 9426_SED_092916 **Matrix Type:** Solid

Lab Sample Name: 680-130356-10 **Sample Date:** 9/29/2016 1:25:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	4900	21	3.2	mg/Kg			
Calcium	T	7440-70-2	3400	52	5.4	mg/Kg			
Iron	T	7439-89-6	13000	21	5.5	mg/Kg			
Magnesium	T	7439-95-4	3200	52	9.3	mg/Kg			
Potassium	T	7440-09-7	810	100	2.6	mg/Kg			
Sodium	T	7440-23-5	50	210	50	mg/Kg	U	U	

Sample Name Bakers Bridge_SED_092916 **Matrix Type:** Solid

Lab Sample Name: 680-130356-12 **Sample Date:** 9/29/2016 8:15:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
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Analysis Method 6010C

Aluminum	T	7429-90-5	9400	26	4	mg/Kg			
Calcium	T	7440-70-2	4000	650	68	mg/Kg			
Iron	T	7439-89-6	30000	26	6.9	mg/Kg			
Magnesium	T	7439-95-4	4800	650	120	mg/Kg			
Potassium	T	7440-09-7	1200	130	3.3	mg/Kg			
Sodium	T	7440-23-5	63	260	63	mg/Kg	U	U	

Sample Name SJAR_SED_092716

Matrix Type: Solid

Lab Sample Name: 680-130356-2

Sample Date: 9/27/2016 11:05:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	7000	22	3.4	mg/Kg			
Calcium	T	7440-70-2	5100	55	5.8	mg/Kg			
Iron	T	7439-89-6	10000	22	5.9	mg/Kg			
Magnesium	T	7439-95-4	2000	55	9.8	mg/Kg			
Potassium	T	7440-09-7	1300	110	2.8	mg/Kg			
Sodium	T	7440-23-5	430	220	53	mg/Kg			

Sample Name SJFP_SED_092816

Matrix Type: Solid

Lab Sample Name: 680-130356-4

Sample Date: 9/28/2016 10:50:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	9100	26	4.1	mg/Kg			
Calcium	T	7440-70-2	8200	65	6.8	mg/Kg			
Iron	T	7439-89-6	13000	26	6.9	mg/Kg			
Magnesium	T	7439-95-4	2700	65	12	mg/Kg			
Potassium	T	7440-09-7	1600	130	3.3	mg/Kg			
Sodium	T	7440-23-5	340	260	63	mg/Kg			

Sample Name SJLP_SED_092716

Matrix Type: Solid

Lab Sample Name: 680-130356-6

Sample Date: 9/27/2016 3:45:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	5100	22	3.5	mg/Kg			
Calcium	T	7440-70-2	4000	56	5.8	mg/Kg			
Iron	T	7439-89-6	8700	22	5.9	mg/Kg			
Magnesium	T	7439-95-4	1500	56	9.9	mg/Kg			
Potassium	T	7440-09-7	960	110	2.8	mg/Kg			
Sodium	T	7440-23-5	230	220	54	mg/Kg			

Analysis Method 6010C

Sample Name	SJSR_SED_092816	Matrix Type:	Solid
Lab Sample Name:	680-130356-8	Sample Date:	9/28/2016 2:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	6900	23	3.6	mg/Kg			
Calcium	T	7440-70-2	7200	57	6	mg/Kg			
Iron	T	7439-89-6	11000	23	6.1	mg/Kg			
Magnesium	T	7439-95-4	2500	57	10	mg/Kg			
Potassium	T	7440-09-7	1200	110	2.9	mg/Kg			
Sodium	T	7440-23-5	250	230	55	mg/Kg			

Analysis Method 6020A

Sample Name	9426_SED_092916	Matrix Type:	Solid
Lab Sample Name:	680-130356-10	Sample Date:	9/29/2016 1:25:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.35	1	0.1	mg/Kg	J	J+	Q
Arsenic	T	7440-38-2	6.4	0.31	0.1	mg/Kg		J+	Q
Barium	T	7440-39-3	41	0.52	0.063	mg/Kg			
Beryllium	T	7440-41-7	0.35	0.052	0.016	mg/Kg		J+	Q
Cadmium	T	7440-43-9	0.4	0.052	0.016	mg/Kg		J+	Q
Chromium	T	7440-47-3	5	1	0.11	mg/Kg	B	J+	Q
Cobalt	T	7440-48-4	4.8	0.052	0.01	mg/Kg		J+	Q
Copper	T	7440-50-8	28	0.52	0.14	mg/Kg			
Lead	T	7439-92-1	48	0.21	0.052	mg/Kg			
Manganese	T	7439-96-5	430	1	0.13	mg/Kg	B		
Molybdenum	T	7439-98-7	0.9	1	0.083	mg/Kg	J	J	
Nickel	T	7440-02-0	6.1	1	0.27	mg/Kg		J+	Q
Selenium	T	7782-49-2	2.7	0.52	0.1	mg/Kg		J+	Q
Silver	T	7440-22-4	0.18	0.1	0.01	mg/Kg	B	J+	B
Thallium	T	7440-28-0	0.083	0.1	0.052	mg/Kg	J	J	
Vanadium	T	7440-62-2	14	0.52	0.28	mg/Kg		J+	Q
Zinc	T	7440-66-6	150	2.1	1	mg/Kg			

Sample Name	Bakers Bridge_SED_092916	Matrix Type:	Solid
Lab Sample Name:	680-130356-12	Sample Date:	9/29/2016 8:15:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	1.9	1.3	0.13	mg/Kg	F1	J+	Q
Arsenic	T	7440-38-2	20	0.39	0.13	mg/Kg	F1	J+	Q
Barium	T	7440-39-3	140	0.65	0.078	mg/Kg			
Beryllium	T	7440-41-7	0.94	0.065	0.02	mg/Kg	F1	J+	Q

Analysis Method 6020A

Cadmium	T	7440-43-9	4.2	0.065	0.02	mg/Kg	F1	J+	Q
Chromium	T	7440-47-3	6.5	1.3	0.14	mg/Kg	B F1	J+	Q
Cobalt	T	7440-48-4	20	0.065	0.013	mg/Kg	F1	J+	Q
Copper	T	7440-50-8	110	0.65	0.17	mg/Kg			
Lead	T	7439-92-1	340	0.26	0.065	mg/Kg			
Manganese	T	7439-96-5	3700	13	1.6	mg/Kg	B F2		
Molybdenum	T	7439-98-7	4.9	1.3	0.1	mg/Kg			
Nickel	T	7440-02-0	13	1.3	0.34	mg/Kg	F1	J+	Q
Selenium	T	7782-49-2	4.7	0.65	0.13	mg/Kg	F1	J+	Q
Silver	T	7440-22-4	1	0.13	0.013	mg/Kg	B		
Thallium	T	7440-28-0	0.22	0.13	0.065	mg/Kg			
Vanadium	T	7440-62-2	25	0.65	0.35	mg/Kg	F1	J+	Q
Zinc	T	7440-66-6	1500	2.6	1.3	mg/Kg			

Sample Name SJAR_SED_092716

Matrix Type: Solid

Lab Sample Name: 680-130356-2

Sample Date: 9/27/2016 11:05:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.11	1.1	0.11	mg/Kg	U	U	
Arsenic	T	7440-38-2	4	0.33	0.11	mg/Kg		J+	Q
Barium	T	7440-39-3	190	0.55	0.066	mg/Kg			
Beryllium	T	7440-41-7	0.69	0.055	0.017	mg/Kg		J+	Q
Cadmium	T	7440-43-9	0.063	0.055	0.017	mg/Kg		J+	Q
Chromium	T	7440-47-3	7.3	1.1	0.12	mg/Kg	B	J+	Q
Cobalt	T	7440-48-4	5.8	0.055	0.011	mg/Kg		J+	Q
Copper	T	7440-50-8	10	0.55	0.14	mg/Kg			
Lead	T	7439-92-1	8	0.22	0.055	mg/Kg			
Manganese	T	7439-96-5	290	1.1	0.13	mg/Kg	B		
Molybdenum	T	7439-98-7	0.52	1.1	0.088	mg/Kg	J	J	
Nickel	T	7440-02-0	7.9	1.1	0.29	mg/Kg		J+	Q
Selenium	T	7782-49-2	4.6	0.55	0.11	mg/Kg		J+	Q
Silver	T	7440-22-4	0.03	0.11	0.011	mg/Kg	J B	UB	B
Thallium	T	7440-28-0	0.14	0.11	0.055	mg/Kg			
Vanadium	T	7440-62-2	17	0.55	0.3	mg/Kg		J+	Q
Zinc	T	7440-66-6	28	2.2	1.1	mg/Kg			

Sample Name SJFP_SED_092816

Matrix Type: Solid

Lab Sample Name: 680-130356-4

Sample Date: 9/28/2016 10:50:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.13	1.3	0.13	mg/Kg	U	U	
Arsenic	T	7440-38-2	5.4	0.39	0.13	mg/Kg		J+	Q
Barium	T	7440-39-3	240	0.65	0.078	mg/Kg			

Analysis Method 6020A

Beryllium	T	7440-41-7	0.89	0.065	0.02	mg/Kg		J+	Q
Cadmium	T	7440-43-9	0.15	0.065	0.02	mg/Kg		J+	Q
Chromium	T	7440-47-3	9.1	1.3	0.14	mg/Kg	B	J+	Q
Cobalt	T	7440-48-4	7.4	0.065	0.013	mg/Kg		J+	Q
Copper	T	7440-50-8	15	0.65	0.17	mg/Kg			
Lead	T	7439-92-1	13	0.26	0.065	mg/Kg			
Manganese	T	7439-96-5	410	1.3	0.16	mg/Kg	B		
Molybdenum	T	7439-98-7	0.86	1.3	0.1	mg/Kg	J	J	
Nickel	T	7440-02-0	9.7	1.3	0.34	mg/Kg		J+	Q
Selenium	T	7782-49-2	5.6	0.65	0.13	mg/Kg		J+	Q
Silver	T	7440-22-4	0.064	0.13	0.013	mg/Kg	J B	UB	B
Thallium	T	7440-28-0	0.18	0.13	0.065	mg/Kg			
Vanadium	T	7440-62-2	22	0.65	0.35	mg/Kg		J+	Q
Zinc	T	7440-66-6	56	2.6	1.3	mg/Kg			

Sample Name SJLP_SED_092716

Matrix Type: Solid

Lab Sample Name: 680-130356-6

Sample Date: 9/27/2016 3:45:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.12	1.1	0.11	mg/Kg	J	J+	Q
Arsenic	T	7440-38-2	3.4	0.33	0.11	mg/Kg		J+	Q
Barium	T	7440-39-3	220	0.56	0.067	mg/Kg			
Beryllium	T	7440-41-7	0.47	0.056	0.017	mg/Kg		J+	Q
Cadmium	T	7440-43-9	0.059	0.056	0.017	mg/Kg		J+	Q
Chromium	T	7440-47-3	5.3	1.1	0.12	mg/Kg	B	J+	Q
Cobalt	T	7440-48-4	4.3	0.056	0.011	mg/Kg		J+	Q
Copper	T	7440-50-8	6.7	0.56	0.15	mg/Kg			
Lead	T	7439-92-1	6.9	0.22	0.056	mg/Kg			
Manganese	T	7439-96-5	260	1.1	0.13	mg/Kg	B		
Molybdenum	T	7439-98-7	0.8	1.1	0.089	mg/Kg	J	J	
Nickel	T	7440-02-0	5.2	1.1	0.29	mg/Kg		J+	Q
Selenium	T	7782-49-2	4	0.56	0.11	mg/Kg		J+	Q
Silver	T	7440-22-4	0.03	0.11	0.011	mg/Kg	J B	UB	B
Thallium	T	7440-28-0	0.088	0.11	0.056	mg/Kg	J	J	
Vanadium	T	7440-62-2	14	0.56	0.3	mg/Kg		J+	Q
Zinc	T	7440-66-6	25	2.2	1.1	mg/Kg			

Sample Name SJSR_SED_092816

Matrix Type: Solid

Lab Sample Name: 680-130356-8

Sample Date: 9/28/2016 2:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.12	1.1	0.11	mg/Kg	J	J+	Q
Arsenic	T	7440-38-2	4.5	0.34	0.11	mg/Kg		J+	Q

Analysis Method 6020A

Barium	T	7440-39-3	230	0.57	0.069	mg/Kg			
Beryllium	T	7440-41-7	0.62	0.057	0.017	mg/Kg		J+	Q
Cadmium	T	7440-43-9	0.12	0.057	0.017	mg/Kg		J+	Q
Chromium	T	7440-47-3	6.6	1.1	0.13	mg/Kg	B	J+	Q
Cobalt	T	7440-48-4	5.3	0.057	0.011	mg/Kg		J+	Q
Copper	T	7440-50-8	10	0.57	0.15	mg/Kg			
Lead	T	7439-92-1	11	0.23	0.057	mg/Kg			
Manganese	T	7439-96-5	290	1.1	0.14	mg/Kg	B		
Molybdenum	T	7439-98-7	0.63	1.1	0.092	mg/Kg	J	J	
Nickel	T	7440-02-0	7	1.1	0.3	mg/Kg		J+	Q
Selenium	T	7782-49-2	4.4	0.57	0.11	mg/Kg		J+	Q
Silver	T	7440-22-4	0.045	0.11	0.011	mg/Kg	J B	UB	B
Thallium	T	7440-28-0	0.13	0.11	0.057	mg/Kg			
Vanadium	T	7440-62-2	17	0.57	0.31	mg/Kg		J+	Q
Zinc	T	7440-66-6	44	2.3	1.1	mg/Kg			

Analysis Method 7471A

Sample Name 9426_SED_092916 **Matrix Type:** Solid

Lab Sample Name: 680-130356-10 **Sample Date:** 9/29/2016 1:25:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.0081	0.02	0.0081	mg/Kg	U	U	

Sample Name Bakers Bridge_SED_092916 **Matrix Type:** Solid

Lab Sample Name: 680-130356-12 **Sample Date:** 9/29/2016 8:15:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.012	0.029	0.012	mg/Kg	J F1	J+	Q

Sample Name SJAR_SED_092716 **Matrix Type:** Solid

Lab Sample Name: 680-130356-2 **Sample Date:** 9/27/2016 11:05:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.0096	0.024	0.0096	mg/Kg	U	U	

Sample Name SJFP_SED_092816 **Matrix Type:** Solid

Lab Sample Name: 680-130356-4 **Sample Date:** 9/28/2016 10:50:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.011	0.026	0.011	mg/Kg	U	U	

Analysis Method 7471A

Sample Name	SJLP_SED_092716	Matrix Type:	Solid
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Lab Sample Name:	680-130356-6	Sample Date:	9/27/2016 3:45:00 PM
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Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.0096	0.024	0.0096	mg/Kg	U	U	

Sample Name	SJSR_SED_092816	Matrix Type:	Solid
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Lab Sample Name:	680-130356-8	Sample Date:	9/28/2016 2:15:00 PM
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Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.0095	0.024	0.0095	mg/Kg	U	U	

Validated Sample Result Forms: 680-130356-2

Analysis Method 200.7 Rev 4.4

Sample Name 9426_092916

Matrix Type: Water

Lab Sample Name: 680-130356-9

Sample Date: 9/29/2016 1:25:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	310	200	24	ug/L			
Aluminum, Dissolved	D	7429-90-5	31	200	24	ug/L	J	J	
Calcium	T	7440-70-2	57000	500	25	ug/L			
Calcium, Dissolved	D	7440-70-2	57000	500	25	ug/L			
Iron	T	7439-89-6	370	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	47	50	17	ug/L	J	J	
Magnesium	T	7439-95-4	7000	500	33	ug/L			
Magnesium, Dissolved	D	7439-95-4	7100	500	33	ug/L			
Potassium	T	7440-09-7	2200	1000	17	ug/L			
Potassium, Dissolved	D	7440-09-7	2200	1000	17	ug/L			
Sodium	T	7440-23-5	11000	1000	480	ug/L			
Sodium, Dissolved	D	7440-23-5	11000	1000	480	ug/L			

Analysis Method 200.8

Sample Name 9426_092916

Matrix Type: Water

Lab Sample Name: 680-130356-9

Sample Date: 9/29/2016 1:25:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	0.37	1	0.37	ug/L	U	U	
Arsenic, Dissolved	D	7440-38-2	0.37	1	0.37	ug/L	U	U	
Barium	T	7440-39-3	42	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	41	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Beryllium, Dissolved	D	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	0.33	0.5	0.043	ug/L	J	J	
Cadmium, Dissolved	D	7440-43-9	0.29	0.5	0.043	ug/L	J	J	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Chromium, Dissolved	D	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	0.93	0.4	0.12	ug/L			
Cobalt, Dissolved	D	7440-48-4	1.1	0.4	0.12	ug/L			
Copper	T	7440-50-8	3.2	5	0.5	ug/L	J	J	

Analysis Method 200.8

Copper, Dissolved	D	7440-50-8	1.3	5	0.5	ug/L	J	J
Lead	T	7439-92-1	0.74	0.3	0.06	ug/L		
Lead, Dissolved	D	7439-92-1	0.06	0.3	0.06	ug/L	U	U
Manganese	T	7439-96-5	220	2.5	1.2	ug/L		
Manganese, Dissolved	D	7439-96-5	210	2.5	1.2	ug/L		
Molybdenum	T	7439-98-7	0.62	1	0.45	ug/L	J	J
Molybdenum, Dissolved	D	7439-98-7	0.6	1	0.45	ug/L	J	J
Nickel	T	7440-02-0	1.2	5	0.4	ug/L	J	J
Nickel, Dissolved	D	7440-02-0	1.2	5	0.4	ug/L	J	J
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U	U
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Thallium, Dissolved	D	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Vanadium	T	7440-62-2	0.3	1	0.3	ug/L	U	U
Vanadium, Dissolved	D	7440-62-2	0.3	1	0.3	ug/L	U	U
Zinc	T	7440-66-6	99	20	2.8	ug/L		
Zinc, Dissolved	D	7440-66-6	83	20	2.8	ug/L		

Analysis Method 2320B-2011

Sample Name		9426_092916					Matrix Type: Water		
Lab Sample Name:		680-130356-9		Sample Date:		9/29/2016 1:25:00 PM			
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	75	5	5	mg/L	H	J	H

Analysis Method 2340B-2011

Sample Name		9426_092916					Matrix Type: Water		
Lab Sample Name:		680-130356-9		Sample Date:		9/29/2016 1:25:00 PM			
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	170	3.3	3.3	mg/L			

Analysis Method 245.1

Sample Name		9426_092916				Matrix Type: Water			
Lab Sample Name:		680-130356-9		Sample Date:		9/29/2016 1:25:00 PM			
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U H	UJ	H
Mercury, Dissolved	D	7439-97-6	0.08	0.2	0.08	ug/L	U H	UJ	H

Analysis Method 2540 D-2011

Sample Name		9426_092916					Matrix Type: Water		
Lab Sample Name:		680-130356-9		Sample Date:		9/29/2016 1:25:00 PM			
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Suspended Solids	T	STL00161	2.4	1	1	mg/L	H	J	H

Analysis Method 5310 B-2011

Sample Name		9426_092916					Matrix Type: Water		
Lab Sample Name:		680-130356-9		Sample Date:		9/29/2016 1:25:00 PM			
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Dissolved Organic Carbon	T	7440-44-0	1.5	1	0.5	mg/L			
Total Organic Carbon	T	7440-44-0	1.1	1	0.5	mg/L			